

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A non-invasive method for treating cells affected by at least one oncogenic virus, comprising the steps of:

- providing a substance comprising at least one of ozone, an ozone donor, oxygen and an oxygen donor; and

- subjecting an area of body tissue comprising said affected cells to said substance

wherein said step of subjecting comprises the steps of:

- guiding said substance to said area;
- treating said affected cells by means of said substance; and
- guiding used substance away from said area

wherein said area of body tissue constitutes at least a portion of ~~an organ~~ a cervix uteri that can be affected by oncogenic viruses and wherein said cells constitute epithelial cells ~~in the case that said organ is cervix uteri.~~

2. (Canceled).

3. (Previously Presented) A method according to claim 1, wherein said oncogenic virus is Human Papilloma Virus.

4. (Cancelled).

5. (Original) A method according to claim 1, further comprising the step of desiccating said affected cells by means of said substance.

6. (Canceled).

7. (Original) A method according to claim 5, wherein said area is the portio of the cervix uteri.

8. (Original) A method according to claim 5, wherein said area is the inside of the cervical canal of the cervix uteri.

9. (Original) A method according to claim 1, wherein said substance is a liquid or a solid or a mixture thereof, further comprising the steps of:

- providing a substance holder with said substance; and
- positioning said substance holder at said area.

10. (Original) A method according to claim 9, further comprising the steps of:

- sealingly enclosing said area by means of said substance holder such that a chamber is defined by said substance holder and said body tissue of said area; and

- creating an underpressure within said chamber.

11. (Original) A method according to claim 1, further comprising the step of monitoring parameters indicating status and progression of the treatment.

12. (Original) A method according to claim 11, further comprising the step of controlling said parameters.

13. (Original) A method according to claim 11, said parameters being selected from the group consisting of concentrations, substance flow, conductivity, humidity, pulse, pressure at said area, duration of the treatment, temperature at said area, pH at said area, and break down products at said area.

14. (Original) A method according to claim 12, wherein said step of controlling is remotely performed.

15. (Previously Presented) A method according to claim 1, further comprising the step of pumping said substance away from said area.

16. (Previously Presented) A method according to claim 1, said step of treating comprising the step of bringing said substance into contact with said area of body tissue.

17. (Previously Presented) A non-invasive method for treating cells infected by at least one of pathologic viruses, bacteria and fungi in a uterus cavity or an uterine tube, comprising the steps of:

- providing a substance comprising at least one of ozone, an ozone donor, oxygen and an oxygen donor; and

- subjecting at least an area of said uterus cavity or uterine tube comprising said affected cells to said substance further comprising the steps of:

- guiding said substance into the uterus cavity;
- treating said affected cells by means of said substance; and
- guiding used substance away from said uterus cavity.

18 -49. (Cancelled).

50. (Previously Presented) A method according to claim 1, further comprising the step of providing a device for accomplishing said treatment

wherein said device is arranged to be positioned at the cervix uteri of a human body, the device comprising a cup, having a bottom and a wall attached to the bottom and extending therefrom, and a shaft connected at one end thereof to the bottom and extending in an opposite direction of the wall, said shaft comprising at least one inlet duct and at least one outlet duct, said wall having a mount portion arranged to encircle the portio of the cervix uteri, a chamber is defined by said bottom, said wall and said portio, said outlet duct having at least one opening within said chamber.

51. (Canceled)